nGen 2023 (v1.3) Patch note (05. Dec. 2023)

[nGen]

1. Fixed the issue of generating the mesh shape without considering the line contacting the plate.
2. Fixed the problem of incorrectly generating the connection shape between the walls in the plan drawing.
3. Fixed the issue in models with multiple RS sets where unnecessary load combinations were being generated during load combination.
4. Fixed the problem when exporting Gen's sloping beam to nGen, which was treated as a Brace type.
5. Fixed the issue causing crashes during design according to the Thailand RC code.
6. Fixed the problem where the earth pressure load applied to the model differed from the value of the load function based on tolerance settings.
7. Fixed the problem where the horizontal soil pressure was applied to the foundation when the buoyancy was considered.
8. Fixed the error in calculating design force when the area spring is assigned to a footing girder.
9. Fixed the error when exporting rebar information for some irregular sections to Revit.
10. Modified the steel design to skip for sections with user-defined materials under AISC360-16 (allowed in the next release).
11. Fixed the error occurring in the analysis of models with the nonlinear elastic point springs applied.
12. Fixed the errors occurring when exporting to IDEA Statica steel connection.
13. Support for IDEA Statica version 23.1.
14.Fixed the error that the section dimensions of double H were not edit.

[midas Drawing]

1. Dowel bars were only generated in columns with a foundation. This has been improved to ensure dowel bars are generated under all conditions.

2. Fixed the problem of abnormal generation in plan drawing because the member length is reduced below 0 when the length offset is considered in nGen.

3. Improvement of the rebar development detail.

→ When the settlement length is large enough to extend beyond the exterior of the member, an additional bend is applied as follows.